CLAIMS

1. An information transmission process for transmitting information between a signal-emitting port for emitting an optical signal and plural signal-receiving ports for receiving the optical signal through a light transmissive medium in an optical circuit device,

the process comprising

a first step of transmitting a first information by emitting light in a first emission angle range from the signal-emitting port to transmit first information to at least one of the signal-receiving ports, and

a second step, after the first step, of transmitting second information from the signal-emitting port by emitting light in a second emission angle range different from the first emission angle range to transmit second information to at least one of the signal-receiving ports.

2. The information transmission process according to claim 1, wherein, in the first step, a communication path is established between the signal-emitting port and at least one signal-receiving port, and subsequently in the second step, data is transmitted through the communication path.

3. The information transmission process according to claim 1, wherein the first emission angle range for emitting the light from the signal-emitting port in the first step is larger than the second emission angle range for emitting the light from the signal emitting port in the second step.

4. The information transmission process according to claim 1, wherein the data is transmitted in the first step in a lower speed than in the second step.

5. The information transmission process according to claim 1, wherein the information transmission by light is conducted at least through procedure below:
(1) a communication-requesting signal is emitted from port A in the first emission angle range,
(2) a standby signal is returned to port A from port B having received the communication-requesting signal,
(3) data is transmitted from port A to port B in the second emission angle range smaller than the first emission angle range.

6. The information transmission process according to claim 5, wherein the standby signal is transmitted through an electric wiring.

7. An optical circuit device comprising plural ports having at least one of an optical signal-emitting function and an optical signal-receiving function, the optical circuit device having a constitution in which optical information can be transmitted between the ports through a light-transmissive medium and at least one of the ports is capable of emitting light in one of two or more emission angle ranges selectively.